

Yafeng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

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citations

840585

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107
citing authors

#	ARTICLE	IF	CITATIONS
1	Form-finding of tensegrity structures via rank minimization of force density matrix. <i>Engineering Structures</i> , 2021, 227, 111419.	2.6	32
2	A unifying framework for form-finding and topology-finding of tensegrity structures. <i>Computers and Structures</i> , 2021, 247, 106486.	2.4	16
3	Minimal mass design of active tensegrity structures. <i>Engineering Structures</i> , 2021, 234, 111965.	2.6	26
4	Design of adaptive structures through energy minimization: extension to tensegrity. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1079-1110.	1.7	18
5	Comparison of different sensitivity matrices relating element elongations to structural response of pin-jointed structures. <i>Mechanics Research Communications</i> , 2021, 118, 103789.	1.0	4
6	Topology-Finding of Tensegrity Structures Considering Global Stability Condition. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	10
7	Research on a New Class of Planar Tensegrity Trusses Consisting of Repetitive Units. <i>International Journal of Steel Structures</i> , 2020, 20, 1582-1595.	0.6	3
8	Minimum energy adaptive structures – All-In-One problem formulation. <i>Computers and Structures</i> , 2020, 236, 106266.	2.4	35
9	Topology design of general tensegrity with rigid bodies. <i>International Journal of Solids and Structures</i> , 2020, 202, 278-298.	1.3	22
10	Extended integrated force method for the analysis of prestress-stable statically and kinematically indeterminate structures. <i>International Journal of Solids and Structures</i> , 2020, 202, 798-815.	1.3	15
11	Prestress Design of Tensegrity Structures Using Semidefinite Programming. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-9.	0.4	4
12	Finding member connectivities and nodal positions of tensegrity structures based on force density method and mixed integer nonlinear programming. <i>Engineering Structures</i> , 2018, 166, 240-250.	2.6	31
13	An improved multi-objective topology optimization approach for tensegrity structures. <i>Advances in Structural Engineering</i> , 2018, 21, 59-70.	1.2	14
14	Topology Optimization of Tensegrity Structures Considering Buckling Constraints. <i>Journal of Structural Engineering</i> , 2018, 144, .	1.7	24
15	General Approach for Topology-Finding of Tensegrity Structures. <i>Journal of Structural Engineering</i> , 2016, 142, .	1.7	26
16	Numerical Modeling of Force-Stiffness Response of Cross-Linked Actin Networks Using Tensegrity Systems. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-6.	0.6	2